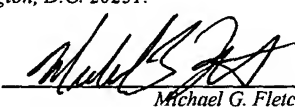


IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:	§	
Warren M. Farnworth	§	
	§	Group Art Unit: Unassigned
Prior Application Serial No.:	§	
10/342,955	§	
Prior Application Filed:	§	
January 15, 2003	§	
	§	
Serial No.: Unassigned	§	Examiner: Unassigned
	§	
Filed: Herewith	§	
	§	
For: METHODS AND APPARATUS	§	Atty Docket: MICS:0035--3/FLE
FOR FORMING SOLDER BALLS	§	97-1008.03

Mail Stop Patent Application
Commissioner For Patents
P.O. Box 1450
Alexandria, VA 22313

"EXPRESS MAIL" MAILING LABEL	
NUMBER:	EL 982 235 605 US
DATE OF DEPOSIT:	July 30, 2003
<i>Pursuant to 37 C.F.R. § 1.10, I hereby certify that I am personally depositing this paper or fee with the U.S. Postal Service, "Express Mail Post Office to Addressee" service on the date indicated above in a sealed envelope (a) having the above-numbered Express Mail label and sufficient postage affixed, and (b) addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.</i>	
July 30, 2003	
Date	Michael G. Fletcher

Dear Sir:

INFORMATION DISCLOSURE STATEMENT
PURSUANT TO 37 C.F.R. §§ 1.97(b)(1) AND 1.98

In compliance with the duty of disclosure under 37 C.F.R. § 1.56(a), Applicant respectfully requests that this Information Disclosure Statement be entered and that the listed references be considered by the Examiner and made of record. Copies of the listed references are enclosed for the convenience of the Examiner.

In accordance with 37 C.F.R. § 1.97, this Information Disclosure Statement is not to be construed as a representation that a search has been made, as an admission that the information cited herein is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b), or

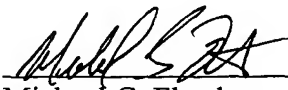
as a representation that no other possibly material information, as defined in 37 C.F.R. § 1.56(b), exists.

Furthermore, the references listed on the attached Form 1449 are not to be construed as an admission that these references qualify as prior art as to the above-referenced application or any related application. Rather, these references are being presented for the Examiner's consideration without prejudice to Applicant's right to demonstrate that any of these references do not qualify as prior art should the Examiner choose to apply any of these references.

The following information is listed below in accordance with 37 C.F.R. §1.98. Any explanation of non-English language documents contained in this Information Disclosure Statement is believed to constitute a concise explanation of the relevance of the listed reference as it is presently understood by the individual designated in § 1.56(c) most knowledgeable about the content of the listed reference, in accordance with 37 C.F.R. § 1.98(a)(3).

Respectfully submitted,

Date: July 30, 2003



Michael G. Fletcher
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Form PTO-1449 (modified)List of Patents and Publications
For Applicant's Information

Disclosure Statement

(Use several sheets if necessary)

ATTY. DOCKET NO.
MICS:0035--3/FLE (97-1008.03)SERIAL NO.
UnassignedAPPLICANT
Warren M. FarnworthFILING DATE
HerewithGROUP
Unassigned**U.S. PATENT DOCUMENTS**

EXAM. INIT.	REF. DES.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE
	1	5,343,926	09/06/94	Cheskis et al.	164	46	12/03/92
	2	5,586,715	12/24/96	Schwiebert et al.	228	248.1	03/19/96
	3	6,025,258	02/15/00	Ochiai et al.	438	613	08/17/95
	4	6,056,191	05/02/00	Brouillette et al.	228	254	04/30/98
	5	6,121,576	09/19/00	Hembree et al.	219	209	09/02/98
	6	6,523,736	02/25/03	Farnworth	228	254	12/11/98
	7	6,527,041 B1	03/04/03	Farnworth	164	429	05/30/00

FOREIGN PATENT DOCUMENTS

EXAM. INIT.	REF. DES.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES/NO

OTHER ART (Author, Title, Journal, Volume, Pertinent Pages, & Date)

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Information Disclosure Statement--PTO-1449 (Modified)